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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number UTILITY Attorney Docket No. PF466P2 PATENT APPLICATION First Inventor Ruben et al. TRANSMITTAL. CYTOKINE RECEPTOR COMMON GAMMA, etc. Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1 53(b)) APPLICATION ELEMENTS Box Patent Application ADDRESS TO: Commissioner for Patents See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original, and a duplicate for fee processing) Comouter Program (Appendix) Applicant claims small entity status Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1 27 (if applicable, all necessary) 11146 x Specification 3. (Total Pages 306 a X Computer Readable Form (CRF) (preferred arrangement set forth below) Specification Sequence Listing on Descriptive title of the invention
 Cross Reference to Related Applications CD-ROM or CD-R (2 copies), or ii X paper Statement Regarding Fed sponsored R & D
 Reference to sequence listing, a table. c X Statements verifying identity of above copies or a computer program listing appendix Background of the Invention ACCOMPANYING APPLICATIONS PARTS - Bnef Summary of the Inventor Brief Description of the Drawings (if filed) Assumment Papers (cover sheet & document(s)) Detailed Description - Claim(s) 37 CFR 3.73(b) Statement Power of 10 - Abstract of the Disclosure Attorney (when there is an assignee) x Drawing(s) (35 U.S.C 113) (Total Sheets English Translation Document (if applicable) Information Disclosure Conses of IDS 5. Oath or Declaration Total Pages 12 Statement (IDS)/PTO-1449 a. X Unexecuted (original or copy) Preliminary Amendment Return Receipt Postcard (MPEP 503) Copy from a prior application (37 CFR 1 63(d)) 14 х (for continuation/divisional with Box 18 completed, (Should be specifically itemized) Certified Copy of Priority Document(s) 15 DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting inventor(s) named in the prior application, Nonpublication Request under 35 U S C 122 (b)(2)(B)(i) 16 Applicant must attach form PTO/SB/35 or its equivalent. see 37 CFR 1 63(d)(2) and 1.33(b) 17 Other 6. X Application Data Sheet See 37 CFR 1 76 (3 pages total) 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet undar 37 CFR 1 76 Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application Information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference 19. CORRESPONDENCE ADDRESS 22195 X Customer Number or Bar Code Label Correspondence address below Name Address City Zip Code Country Telephone Fax Name (Print/Type) Janet M. Martineau Registration No. (Attorney/Agent) 46.903 Signature Date February 20, 2002

PTO/SB/17 (11-61)

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and the second s			Complete if Known				
FEE TRANSMITTAL		Application Number Not Yet Assigned					
for FY 2002		Filing Date			Herewith		
Patent fees are subject to annual revision.		First Named Inventor		_	ntor Ruben et al.		
Patent rees are subject to annual revision.		Exam			Not Yet Assigned		
Application claims small entity status. See 37 CFR 1 2	.	Group	A # 1	Init	Not Yet Assigned		
TOTAL AMOUNT OF PAYMENT (\$) 896,00	\neg		_	ocket N			
METHOD OF PAYMENT (check all that apply)	-	Auton	icy D				
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Deposit Account 08-3425	Fee	Entity	Sma	If Entity Fee	~		
Number 08-3423	Code	(\$)	Code	(\$)	Fee Description Fee Paid		
Deposit Account Human Genome Sciences, Inc.	105	130	205	65	Surcharge late filing fee or oath		
Name	127	50	227	25	Surcharge - late provisional filing fee or cover		
The Commissioner is hereby authorized to: (check all that apply)					sheet		
X Charge fee(s) indicated below X Credit any overpayments	139	130	139	130	Non-English specification		
X Charge any additional fee(s) during the pendency of this application	147	2,520	147	2,520	For filing a request for ex parte reexamination		
Charge fee(s) indicated below, except for the filling fee	112	920*	112	920*	Requesting publication of SIR prior to Examiner action		
to the above-identified deposit account	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		
FEE CALCULATION	115	110	215	55	Extension for reply within first month		
1. BASIC FILING FEE	116	400	216	200	Extension for reply within second month		
Large Entity Small Entity	117	920	217	460	Extension for reply within third month		
Fee Fee Fee Fee Description Fee Paid	118	1,448	218	720	Extension for reply within fourth month		
101 740 201 370 Utility filing fee 740 00	128	1,960	228	980	Extension for reply within fifth month		
106 330 206 165 Design filing fee	119	320	219	160	Notice of Appeal		
107 510 207 255 Plant filing fee	120	320	220	160	Filing a brief in support of an appeal		
108 740 208 370 Reissue filing fee	121	280 1.510	138	140 1.510	Request for oral hearing Petition to institute a public use proceeding		
, , , , , , , , , , , , , , , , , , , ,	140	110	240	55	Petition to revive – unavoidable		
SUBTOTAL (1) (\$) 740.00	141	1,280	241	640	Petition to revive - unintentional		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	142	1,280	242	640	Utility issue fee (or reissue)		
Extra Fee from Fee Paid Claims below Fee Paid	143	460	243	230	Design issue fee		
Total Claims 24 -20** = 4 x 18 00 = 72.00	144	620	244	310	Plant issue fee		
Independent 4 -3** = 1 x 84.00 = 84.00	122	130	122	130	Petitions to the Commissioner		
Multiple Dependent =	123	50	123	50	Processing fee under 37 CFR 1.17(q)		
Large Entity Small Entity	126	180	126	180	Submission of Information Disclosure Stmt		
Fee Fee Fee Fee Code (\$) Code (\$)	581	40	581	40	Recording each patent assignment per oroperty (times number of properties)		
103 18 203 9 Claims in excess of 20	146	740	248	370	Filing a submission after final rejection		
102 84 202 42 Independent claims in excess of 3		740	249	370	(37 ČFR 1.129(a)) For each additional invention to be		
104 280 204 140 Multiple dependent claim, if not paid 109 84 209 42 ** Reissue independent claims	149 179	740	279	370	examined (37CFR 1 129(h)) Request for Continued Examination (RCE)		
over original patent	169	900	169	900	Request for expedited examination		
110 18 210 9 ** Reissue claims in excess of 20 and over original patent				900	of a design application		
		Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00					
SUBTOTAL (2) (\$) 156 00 **or number previously paid, if greater, For Reissues, see above	'Redu	loed by	Sasic F	iling Fee	B Paid SUBTOTAL (3) (\$) 0 00		
SUBMITTED BY Complete (if applicable)							
Name (Print/Type) Janet M. Martineau	Regist	ration No	140	6,903	Telephone (301) 315-2723		
The state of the s				0,303			
Signature Date February 20, 2002							

Group Art Unit: Not Yet Assigned

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	
Ruben et al.	

Application No.: Not Yet Assigned

Filed: Herewith Examiner: Not Yet Assigned

For: CYTOKINE RECEPTOR COMMON GAMMA CHAIN LIKE

STATEMENT PURSUANT TO 37 CFR 1.821

Box Sequence

Commissioner for Patents Washington, DC 20231

Dear Sir:

Pursuant to 37 C.F.R. §§1.821(f), Applicants hereby certify that the sequence listing information recorded in computer readable form and submitted herewith is identical to the written (on paper or compact disc) Sequence Listing submitted herewith.

Dated: February 20, 2002

Respectfully submitted.

Janet M. Martineau Registration No.: 46,903

HUMAN GENOME SCIENCES, INC.

9410 Key West Avenue Rockville, Maryland 20850

(301) 315-2723

Attorneys for Applicant